

## EAST Search History

| Ref # | Hits  | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|-----------------|------------------|---------|------------------|
| L1    | 2     | "20040003080"   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 16:45 |
| L2    | 14802 | 709/203,207,226,240.ccls.   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L3    | 289   | version adj data and overhead and ((quality adj service) or qos or (level adj service)) | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L4    | 164   | L3 and load adj balanc\$5   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L5    | 25    | L4 and L2   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L6    | 1     | L4 and version near12 overhead  | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L7    | 0     | "versions of data"  | US-PGPUB; USPAT | OR               | OFF     | 2009/01/13 17:17 |
| L8    | 2553  | versions adj data   | US-PGPUB; USPAT | OR               | OFF     | 2009/01/13 17:17 |
| L9    | 43    | L8 and jdbc   | US-PGPUB; USPAT | OR               | OFF     | 2009/01/13 17:17 |
| L10   | 20    | L9 and overhead and ((quality adj service) or qos or (level adj service))               | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L11   | 1213  | server near3 versions and latenc\$5   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L12   | 3     | L11 and L10   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L13   | 10    | L10 and latenc\$5   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L14   | 10    | L13 and request\$5 and (client target and server)                                       | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L15   | 10    | L14 and back near3 server   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L16   | 10    | L15 and load\$5 adj balanc\$5   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L17   | 0     | L16 and sand  | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L18   | 10    | L16 and priorit\$5  | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L19   | 1     | L18 and (assign\$5 allocat\$5) near12 client same service                               | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L20   | 4     | L18 and (assign\$5 allocat\$5) same client same service                                 | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |
| L21   | 1     | "20050091344"   | US-PGPUB; USPAT | OR               | ON      | 2009/01/13 17:17 |

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|-----|------|--|-----------------|----|-----|---------------------|
| L22 | 479  | version near 12 (qos or (quality adj service) or (level adj service))  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L23 | 2553 | versions adj data  | US-PGPUB; USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L24 | 43   | L23 and jdbc   | US-PGPUB; USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L25 | 20   | L24 and overhead and ((quality adj service) or qos or (level adj service))                                   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L26 | 10   | L25 and latenc\$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L27 | 10   | L26 and request\$5 and (client target and server)  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L28 | 10   | L27 and back near3 server  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L29 | 10   | L28 and load\$5 adj balanc\$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L30 | 10   | L29 and priorit\$5   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L31 | 1    | L22 and L30 and (assign\$5 allocat\$5) same client same service  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L32 | 1797 | version same (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L33 | 4    | L32 and L30 and (assign\$5 allocat\$5) same client same service  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L34 | 1    | L33 and overhead near12 version  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L35 | 1    | L33 and overhead same version  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L36 | 1    | "20050091344"  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L37 | 1    | "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L38 | 0    | L37 and (client individual person) near12 image near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L39 | 0    | L37 and (client individual person) near12 (qos or (quality adj service) or (level adj service)) same image   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L40 | 0    | L37 and (client individual person) near12 (qos or (quality adj service) or (level adj service))              | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L41 | 1    | L37 and (client individual person) near12 image  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |

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| L42 | 1    | L37 and (client) near12 image  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L43 | 0    | L37 and image near12 (qos or (quality adj service) or (level adj service))               | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L44 | 0    | L37 and priority near12 (qos or (quality adj service) or (level adj service))            | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L45 | 1    | L37 and priority same (qos or (quality adj service) or (level adj service))              | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L46 | 0    | L45 and version near12 correlat\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L47 | 0    | L45 and version same correlat\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L48 | 0    | L45 and version near12 correlat\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L49 | 0    | L45 and version same correlat\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L50 | 1    | L45 and version near12 current   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L51 | 2153 | requests near12 (qos or (quality adj service) or (level adj service))                    | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L52 | 0    | L51 and L37  | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L53 | 1    | requests near12 (qos or (quality adj service) or (level adj service)) and L37            | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L54 | 0    | requests near12 (qos or (quality adj service) or (level adj service)) and L37            | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L55 | 1    | requests and L53   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L56 | 0    | L53 and latency and latency near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L57 | 1    | L53 and latency and latency same (qos or (quality adj service) or (level adj service))   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L58 | 1    | L37 and client near3 request\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L59 | 7473 | data near3 (qos or (quality adj service) or (level adj service))                         | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L60 | 1    | L59 and L37  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L61 | 1    | L37 and data near12 (qos or (quality adj service) or (level adj service))                | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |

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|-----|----------|--|-----------------|----|-----|------------------|
| L62 | 0        | L37 and (load\$5 or (load\$5 adj balanc\$5)) near12 (chang\$5 modif\$5)                                  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L63 | 1        | L37 and (load\$5 or (load\$5 adj balanc\$5)) same (chang\$5 modif\$5)                                    | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L64 | 88       | assign\$5 near12 (client individual person) near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L65 | 0        | L64 near12 payment   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L66 | 1        | L64 near12 pay\$8  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L67 | 0        | L64 same payment   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L68 | 4        | L64 same pay\$8  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L69 | 0        | L68 and pay\$8 near12 priority   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L70 | 10105402 | US "7020697".pn.   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L71 | 1        | "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L72 | 0        | L71 and version near12 priority  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L73 | 815460   | L71 and version with2 priority   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L74 | 0        | L71 and version with priority  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L75 | 0        | L71 and version same priority  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L76 | 0        | request with version with high near (qos or (quality adj service)) with preference                       | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L77 | 1        | "20050091344"  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L78 | 289      | version adj data and overhead and ((quality adj service) or qos or (level adj service))                  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L79 | 164      | L78 and load adj balanc\$5   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L80 | 14802    | 709/203,207,226,240.ccsl   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L81 | 25       | L79 and L80  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L82 | 1        | L79 and version near12 overhead  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L83 | 2553     | versions adj data  | US-PGPUB; USPAT | OR | OFF | 2009/01/13 17:17 |

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|------|------|--|--------------------|----|-----|---------------------|
| L84  | 43   | L83 and jdbc   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L85  | 20   | L84 and overhead and ((quality adj service) or qos or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L86  | 10   | L85 and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L87  | 10   | L86 and request\$5 and (client target and server)                          | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L88  | 10   | L87 and back near3 server  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L89  | 0    | "versions of data"   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L90  | 1213 | server near3 versions and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L91  | 3    | L90 and L85  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L92  | 10   | L88 and load\$5 adj balanc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L93  | 10   | L92 and priorit\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L94  | 0    | L92 and sand   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L95  | 1    | L93 and (assign\$5 allocat\$5) near12 client same service                  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L96  | 4    | L93 and (assign\$5 allocat\$5) same client same service                    | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L97  | 1    | "20050091344"  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L98  | 2553 | versions adj data  | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L99  | 43   | L98 and jdbc   | US-PGPUB;<br>USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L100 | 20   | L99 and overhead and ((quality adj service) or qos or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L101 | 10   | L100 and latenc\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L102 | 10   | L101 and request\$5 and (client target and server)                         | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L103 | 10   | L102 and back near3 server   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L104 | 10   | L103 and load\$5 adj balanc\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L105 | 10   | L104 and priorit\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L106 | 1797 | version same (qos or (quality adj service) or (level adj service))         | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |

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|------|------|--|-----------------|----|-----|---------------------|
| L107 | 4    | L106 and L105 and (assign\$5 allocat\$5) same client same service  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L108 | 1    | L107 and overhead same version   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L109 | 1    | L107 and overhead near12 version   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L110 | 479  | version near12 (qos or (quality adj service) or (level adj service))                                     | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L111 | 1    | L110 and L105 and (assign\$5 allocat\$5) same client same service  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L112 | 1    | "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L113 | 7473 | data near3 (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L114 | 1    | L113 and L112  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L115 | 1    | L112 and (client) near12 image   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L116 | 1    | L112 and priority same (qos or (quality adj service) or (level adj service))                             | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L117 | 0    | L116 and version near12 correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L118 | 0    | L116 and version near12 correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L119 | 0    | L116 and version same correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L120 | 1    | requests near12 (qos or (quality adj service) or (level adj service)) and L112                           | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L121 | 1    | L112 and data near12 (qos or (quality adj service) or (level adj service))                               | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L122 | 0    | requests near12 (qos or (quality adj service) or (level adj service)) and L112                           | US-PGPUB; USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L123 | 1    | requests and L120  | US-PGPUB; USPAT | OR | OFF | 2009/01/13<br>17:17 |
| L124 | 1    | L112 and client near3 request\$5   | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L125 | 88   | assign\$5 near12 (client individual person) near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |
| L126 | 0    | L125 near12 payment  | US-PGPUB; USPAT | OR | ON  | 2009/01/13<br>17:17 |

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|------|------|---|-----------------|----|-----|------------------|
| L127 | 1    | L112 and (load\$5 or (load\$5 adj balanc\$5)) same (chang\$5 modif \$5)                                       | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L128 | 1    | L120 and latency and latency same (qos or (quality adj service) or (level adj service))                       | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L129 | 0    | L120 and latency and latency near12 (qos or (quality adj service) or (level adj service))                     | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L130 | 0    | L112 and (load\$5 or (load\$5 adj balanc\$5)) near12 (chang\$5 modif \$5)                                     | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L131 | 4    | L125 same pay\$8  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L132 | 0    | L131 and pay\$8 near12 priority   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L133 | 1    | L125 near12 pay\$8  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L134 | 1    | "20050091344"   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L135 | 1    | L116 and version near12 current   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L136 | 0    | L112 and priority near12 (qos or (quality adj service) or (level adj service))                                | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L137 | 0    | L112 and (client individual person) near12 (qos or (quality adj service) or (level adj service))              | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L138 | 0    | L112 and (client individual person) near12 (qos or (quality adj service) or (level adj service)) same image   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L139 | 0    | L112 and (client individual person) near12 image near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L140 | 0    | L125 same payment   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L141 | 1    | L112 and (client individual person) near12 image  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L142 | 0    | L116 and version same correlat \$5  | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |
| L143 | 2153 | requests near12 (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | OFF | 2009/01/13 17:17 |
| L144 | 0    | L143 and L112   | US-PGPUB; USPAT | OR | OFF | 2009/01/13 17:17 |
| L145 | 0    | L112 and image near12 (qos or (quality adj service) or (level adj service))                                   | US-PGPUB; USPAT | OR | ON  | 2009/01/13 17:17 |

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|------|----------|--|--------------------|----|----|---------------------|
| L146 | 1        | "7020697".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L147 | 0        | L146 and version with priority   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L148 | 10105402 | US "7020697".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L149 | 0        | L146 and version near12 priority   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L150 | 0        | L146 and version same priority   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L151 | 815460   | L146 and version with2 priority  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L152 | 0        | request with version with high<br>near (qos or (quality adj<br>service)) with preference                 | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L153 | 1        | "20050091344"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L154 | 4760     | load\$5 near balanc\$5 and<br>((quality adj service) or qos)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L155 | 38       | (load\$5 near balanc\$5 and<br>((quality adj service) or qos)).<br>ab.                                   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L156 | 2        | (load\$5 near balanc\$5 and<br>((quality adj service) or qos)).ti.                                       | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L157 | 366      | (low and high) near (qos<br>(quality adj service))   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L158 | 386      | (low and high) near (qos<br>(quality near service) quality<br>\$4service)                                | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L159 | 26       | ((low and high) near (qos<br>(quality near service) quality<br>\$4service)) with (bandwidth<br>overhead) | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L160 | 13       | L159 and @ad<"20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L161 | 1        | "20040208120"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L162 | 490      | (high and low) near2 (qos<br>(quality\$4service) (quality adj<br>service))                               | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L163 | 641732   | (version (image near6<br>resolution))  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L164 | 169      | L163 and L162  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L165 | 101      | L164 and @ad<"20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L166 | 24255    | (version (image video)) near6<br>(bandwidth overheard)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L167 | 13       | L166 and L165  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |

|      |       |   |                    |    |    |                     |
|------|-------|---|--------------------|----|----|---------------------|
| L168 | 1     | L162 and "20040208120"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L169 | 0     | L168 and L166   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L170 | 0     | L168 and (image multimedia display) near6 (bandwidth overhead)  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L171 | 0     | L168 and (image multimedia display) and (bandwidth overhead)  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L172 | 0     | L168 and video and (bandwidth overhead)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L173 | 1     | L168 and (bandwidth overhead)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L174 | 10211 | version near data   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L175 | 21    | L174 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                       | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L176 | 20    | L175 and @ad< "20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L177 | 928   | differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L178 | 17    | L177 and (high and low) near (qos (quality adj service) (level adj service))  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L179 | 17    | L177 and (high and low) near (qos (quality adj service) (level adj service) quality\$3service)  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L180 | 7     | L179 and @ad< "20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L181 | 12    | L179 and (overhead bandwidth)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L182 | 12    | L181 and (qos (quality adj service) (level adj service) quality\$3service)  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L183 | 1     | preferential near access near12 data near version   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L184 | 334   | preferential near access  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L185 | 4388  | L184 (bandwidth overhead) and data near version   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L186 | 4     | L184 and (bandwidth overhead) and data near version   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |
| L187 | 2     | ((load\$5 near balanc\$5 and ((quality adj service) or qos)).ti. and (qos (quality adj service) quality\$3service (level adj service))) | US-PGPUB;<br>USPAT | OR | ON | 2009/01/13<br>17:17 |

|      |      |  |                 |    |    |                  |
|------|------|--|-----------------|----|----|------------------|
| L188 | 1    | L187 and load\$5 near balanc\$5 and load\$5 and (bandwidth overhead) and data  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L189 | 1    | L188 and (high\$5 and low\$5)  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L190 | 1265 | (load\$5 near balanc\$5 same ((quality adj service) or qos)) and (qos (quality adj service) quality\$3service (level adj service)) | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L191 | 541  | L190 and (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L192 | 41   | 709/203.ccls. and L191   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L193 | 36   | L192 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L194 | 1014 | L190 and (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L195 | 54   | 709/203.ccls. and L194   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L196 | 45   | L195 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L197 | 4564 | high adj3 (qos (quality\$service) (quality adj service) (level adj service))   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L198 | 78   | L197 near13 (high\$6 more) near (bandwidth overhead)   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L199 | 33   | L198 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L200 | 1    | 709/203.ccls. and L199   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L201 | 690  | quality near version   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L202 | 21   | L175 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L203 | 1    | L201 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L204 | 1    | "20050091344"  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L205 | 2    | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service)) near classe   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L206 | 2    | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service)) near class  | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |
| L207 | 18   | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service))   | US-PGPUB; USPAT | OR | ON | 2009/01/13 17:17 |

|      |        |   |                 |    |    |                     |
|------|--------|---|-----------------|----|----|---------------------|
| L208 | 2      | L207 and (qos (quality \$4service) (quality adj service)) near class      | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L209 | 0      | L208 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L210 | 10     | L207 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L211 | 0      | "quality of" near2 (data image version)                                   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L212 | 197625 | quality near2 (data image version)  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L213 | 3      | L210 and L212   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L214 | 0      | provid\$5 near3 (version (resolution near3 image))                        | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L215 | 7947   | provid\$5 near3 (version (resolution near3 image))                        | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L216 | 3229   | assign\$5 near12 (qos (quality \$4service) (quality adj service))         | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L217 | 14     | L215 and L216   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L218 | 1622   | (high\$5 and low\$5) near3 (qos quality\$5service (quality adj service))  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L219 | 2      | L218 and L217   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L220 | 3      | L217 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L221 | 846    | ((version near data) (resolution near3 image)) near6 (overhead bandwidth) | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L222 | 1      | L216 and L221   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L223 | 3858   | preferenc\$6 near3 access\$5  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L224 | 1      | L221 and L223   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L225 | 0      | preferencial near access near data  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L226 | 5      | preferential near access near data  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L227 | 334    | preferential near access  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L228 | 50     | L227 with data  | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L229 | 30     | L228 and (qos (quality \$4service) (quality adj service))                 | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |
| L230 | 1      | L219 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/13<br>17:17 |

|      |       |   |                    |    |     |                     |
|------|-------|---|--------------------|----|-----|---------------------|
| L231 | 26    | L229 and @ad<"20031023"   | US-PGPUB;<br>USPAT | OR | ON  | 2009/01/13<br>17:17 |
| S1   | 11269 | 709/203,207,226,240.ccls.   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>11:52 |
| S2   | 222   | version adj data and overhead<br>and ((quality adj service) or qos<br>or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>11:54 |
| S3   | 138   | S2 and load adj balanc\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/09<br>22:28 |
| S4   | 24    | S3 and S1   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/09<br>22:30 |
| S5   | 1     | S3 and version near12 overhead  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/09<br>22:29 |
| S6   | 0     | "versions of data"  | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/10<br>11:52 |
| S7   | 1965  | versions adj data   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/10<br>11:53 |
| S8   | 32    | S7 and jdbc   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/10<br>11:53 |
| S9   | 18    | S8 and overhead and ((quality<br>adj service) or qos or (level adj<br>service))               | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:06 |
| S10  | 905   | server near3 versions and latenc<br>\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:06 |
| S11  | 2     | S10 and S9  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:35 |
| S12  | 9     | S9 and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:41 |
| S13  | 9     | S12 and request\$5 and (client<br>target and server)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:41 |
| S14  | 9     | S13 and back near3 server   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:42 |
| S15  | 9     | S14 and load\$5 adj balanc\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:48 |
| S16  | 0     | S15 and sand  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>12:43 |
| S17  | 9     | S15 and priorit\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:12 |
| S18  | 1     | S17 and (assign\$5 allocat\$5)<br>near12 client same service                                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>14:17 |
| S19  | 3     | S17 and (assign\$5 allocat\$5)<br>same client same service                                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S20  | 1     | "20050091344"   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>14:17 |
| S21  | 337   | version near12 (qos or (quality<br>adj service) or (level adj<br>service))                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:15 |
| S22  | 1965  | versions adj data   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/10<br>16:13 |

|     |      |  |                    |    |     |                     |
|-----|------|--|--------------------|----|-----|---------------------|
| S23 | 32   | S22 and jdbc   | US-PGPUB;<br>USPAT | OR | OFF | 2007/06/10<br>16:13 |
| S24 | 18   | S23 and overhead and ((quality adj service) or qos or (level adj service))                                   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S25 | 9    | S24 and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S26 | 9    | S25 and request\$5 and (client target and server)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S27 | 9    | S26 and back near3 server  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S28 | 9    | S27 and load\$5 adj balanc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S29 | 9    | S28 and priorit\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:13 |
| S30 | 1    | S21 and S29 and (assign\$5 allocat\$5) same client same service  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:15 |
| S31 | 1257 | version same (qos or (quality adj service) or (level adj service))   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:15 |
| S32 | 3    | S31 and S29 and (assign\$5 allocat\$5) same client same service  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:20 |
| S33 | 1    | S32 and overhead near12 version  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:20 |
| S34 | 1    | S32 and overhead same version  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/10<br>16:20 |
| S35 | 1    | "20050091344"  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:19 |
| S36 | 1    | "7020697".pn.  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:35 |
| S37 | 0    | S36 and (client individual person) near12 image near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>11:42 |
| S38 | 0    | S36 and (client individual person) near12 (qos or (quality adj service) or (level adj service)) same image   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>10:10 |
| S39 | 0    | S36 and (client individual person) near12 (qos or (quality adj service) or (level adj service))              | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:37 |
| S40 | 1    | S36 and (client individual person) near12 image  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:38 |
| S41 | 1    | S36 and (client) near12 image  | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:38 |
| S42 | 0    | S36 and image near12 (qos or (quality adj service) or (level adj service))                                   | US-PGPUB;<br>USPAT | OR | ON  | 2007/06/11<br>09:40 |

|     |      |  |                 |    |     |                  |
|-----|------|--|-----------------|----|-----|------------------|
| S43 | 0    | S36 and priority near12 (qos or (quality adj service) or (level adj service))            | US-PGPUB; USPAT | OR | ON  | 2007/06/11 09:41 |
| S44 | 1    | S36 and priority same (qos or (quality adj service) or (level adj service))              | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:02 |
| S45 | 0    | S44 and version near12 correlat\$5   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:04 |
| S46 | 0    | S44 and version same correlat\$5   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:03 |
| S47 | 0    | S44 and version near12 correlat\$5   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:03 |
| S48 | 0    | S44 and version same correlat\$5   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:03 |
| S49 | 1    | S44 and version near12 current   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:04 |
| S50 | 1541 | requests near12 (qos or (quality adj service) or (level adj service))                    | US-PGPUB; USPAT | OR | OFF | 2007/06/11 10:11 |
| S51 | 0    | S50 and S36  | US-PGPUB; USPAT | OR | OFF | 2007/06/11 10:11 |
| S52 | 1    | requests near12 (qos or (quality adj service) or (level adj service)) and S36            | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:20 |
| S53 | 0    | requests near12 (qos or (quality adj service) or (level adj service)) and S36            | US-PGPUB; USPAT | OR | OFF | 2007/06/11 10:13 |
| S54 | 1    | requests and S52   | US-PGPUB; USPAT | OR | OFF | 2007/06/11 10:13 |
| S55 | 0    | S52 and latency and latency near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:21 |
| S56 | 1    | S52 and latency and latency same (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:45 |
| S57 | 1    | S36 and client near3 request\$5  | US-PGPUB; USPAT | OR | ON  | 2007/06/11 10:45 |
| S58 | 5227 | data near3 (qos or (quality adj service) or (level adj service))                         | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:14 |
| S59 | 1    | S58 and S36  | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:13 |
| S60 | 1    | S36 and data near12 (qos or (quality adj service) or (level adj service))                | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:22 |
| S61 | 0    | S36 and (load\$5 or (load\$5 adj balanc\$5)) near12 (chang\$5 modif\$5)                  | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:23 |
| S62 | 1    | S36 and (load\$5 or (load\$5 adj balanc\$5)) same (chang\$5 modif\$5)                    | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:42 |

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|-----|---------|--|-----------------|----|-----|------------------|
| S63 | 71      | assign\$5 near12 (client individual person) near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:43 |
| S64 | 0       | S63 near12 payment   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:44 |
| S65 | 1       | S63 near12 pay\$8  | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:43 |
| S66 | 0       | S63 same payment   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:45 |
| S67 | 3       | S63 same pay\$8  | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:59 |
| S68 | 0       | S67 and pay\$8 near12 priority   | US-PGPUB; USPAT | OR | ON  | 2007/06/11 11:59 |
| S69 | 9527780 | US "7020697".pn.   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:07 |
| S70 | 1       | "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:07 |
| S71 | 0       | S70 and version near12 priority  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:07 |
| S72 | 650800  | S70 and version with2 priority   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:07 |
| S73 | 0       | S70 and version with priority  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:07 |
| S74 | 0       | S70 and version same priority  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:15 |
| S75 | 0       | request with version with high near (qos or (quality adj service)) with preference                       | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:16 |
| S76 | 1       | "20050091344"  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 16:17 |
| S77 | 240     | version adj data and overhead and ((quality adj service) or qos or (level adj service))                  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S78 | 149     | S77 and load adj balanc\$5   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S79 | 12147   | 709/203,207,226,240.ccls.  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S80 | 25      | S78 and S79  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S81 | 1       | S78 and version near12 overhead  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S82 | 2109    | versions adj data  | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S83 | 33      | S82 and jdbc   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S84 | 18      | S83 and overhead and ((quality adj service) or qos or (level adj service))                               | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |

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|------|------|--|--------------------|----|-----|---------------------|
| S85  | 9    | S84 and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S86  | 9    | S85 and request\$5 and (client target and server)                          | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S87  | 9    | S86 and back near3 server  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S88  | 0    | "versions of data"   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>18:50 |
| S89  | 1003 | server near3 versions and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S90  | 2    | S89 and S84  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S91  | 9    | S87 and load\$5 adj balanc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S92  | 9    | S91 and priorit\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S93  | 0    | S91 and sand   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S94  | 1    | S92 and (assign\$5 allocat\$5) near12 client same service                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S95  | 3    | S92 and (assign\$5 allocat\$5) same client same service                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S96  | 1    | "20050091344"  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S97  | 2109 | versions adj data  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>18:50 |
| S98  | 33   | S97 and jdbc   | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/20<br>18:50 |
| S99  | 18   | S98 and overhead and ((quality adj service) or qos or (level adj service)) | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S100 | 9    | S99 and latenc\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S101 | 9    | S100 and request\$5 and (client target and server)                         | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S102 | 9    | S101 and back near3 server   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S103 | 9    | S102 and load\$5 adj balanc\$5   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S104 | 9    | S103 and priorit\$5  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S105 | 1396 | version same (qos or (quality adj service) or (level adj service))         | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S106 | 3    | S105 and S104 and (assign\$5 allocat\$5) same client same service          | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |
| S107 | 1    | S106 and overhead same version   | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/20<br>18:50 |

|      |      |  |                 |    |     |                  |
|------|------|--|-----------------|----|-----|------------------|
| S108 | 1    | S106 and overhead near12 version   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S109 | 368  | version near12 (qos or (quality adj service) or (level adj service))                                     | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S110 | 1    | S109 and S104 and (assign\$5 allocat\$5) same client same service  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S111 | 1    | "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S112 | 5823 | data near3 (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S113 | 1    | S112 and S111  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S114 | 1    | S111 and (client) near12 image   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S115 | 1    | S111 and priority same (qos or (quality adj service) or (level adj service))                             | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S116 | 0    | S115 and version near12 correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S117 | 0    | S115 and version near12 correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S118 | 0    | S115 and version same correlat\$5  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S119 | 1    | requests near12 (qos or (quality adj service) or (level adj service)) and S111                           | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S120 | 1    | S111 and data near12 (qos or (quality adj service) or (level adj service))                               | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S121 | 0    | requests near12 (qos or (quality adj service) or (level adj service)) and S111                           | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S122 | 1    | requests and S119  | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S123 | 1    | S111 and client near3 request\$5   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S124 | 78   | assign\$5 near12 (client individual person) near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S125 | 0    | S124 near12 payment  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S126 | 1    | S111 and (load\$5 or (load\$5 adj balanc\$5)) same (chang\$5 modif\$5)                                   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S127 | 1    | S119 and latency and latency same (qos or (quality adj service) or (level adj service))                  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |

|      |         |   |                 |    |     |                  |
|------|---------|---|-----------------|----|-----|------------------|
| S128 | 0       | S119 and latency and latency near12 (qos or (quality adj service) or (level adj service))                     | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S129 | 0       | S111 and (load\$5 or (load\$5 adj balanc\$5)) near12 (chang\$5 modif\$5)                                      | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S130 | 3       | S124 same pay\$8  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S131 | 0       | S130 and pay\$8 near12 priority   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S132 | 1       | S124 near12 pay\$8  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S133 | 1       | "20050091344"   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S134 | 1       | S115 and version near12 current   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S135 | 0       | S111 and priority near12 (qos or (quality adj service) or (level adj service))                                | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S136 | 0       | S111 and (client individual person) near12 (qos or (quality adj service) or (level adj service))              | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S137 | 0       | S111 and (client individual person) near12 (qos or (quality adj service) or (level adj service)) same image   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S138 | 0       | S111 and (client individual person) near12 image near12 (qos or (quality adj service) or (level adj service)) | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S139 | 0       | S124 same payment   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S140 | 1       | S111 and (client individual person) near12 image  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S141 | 0       | S115 and version same correlat \$5  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S142 | 1691    | requests near12 (qos or (quality adj service) or (level adj service))   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S143 | 0       | S142 and S111   | US-PGPUB; USPAT | OR | OFF | 2007/11/20 18:50 |
| S144 | 0       | S111 and image near12 (qos or (quality adj service) or (level adj service))                                   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S145 | 1       | "7020697".pn.   | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S146 | 0       | S145 and version with priority  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |
| S147 | 9527780 | US "7020697".pn.  | US-PGPUB; USPAT | OR | ON  | 2007/11/20 18:50 |

|      |        |  |                    |    |    |                     |
|------|--------|--|--------------------|----|----|---------------------|
| S148 | 0      | S145 and version near12 priority   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/20<br>18:50 |
| S149 | 0      | S145 and version same priority   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/20<br>18:50 |
| S150 | 650800 | S145 and version with2 priority  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/20<br>18:50 |
| S151 | 0      | request with version with high<br>near (qos or (quality adj<br>service)) with preference                 | US-PGPUB;<br>USPAT | OR | ON | 2007/11/20<br>18:50 |
| S152 | 1      | "20050091344"  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/20<br>18:50 |
| S153 | 4753   | load\$5 near balanc\$5 and<br>((quality adj service) or qos)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:08 |
| S154 | 37     | (load\$5 near balanc\$5 and<br>((quality adj service) or qos)).<br>ab.                                   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:08 |
| S155 | 2      | (load\$5 near balanc\$5 and<br>((quality adj service) or qos)).ti.                                       | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:08 |
| S156 | 366    | (low and high) near (qos<br>(quality adj service))   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:34 |
| S157 | 386    | (low and high) near (qos<br>(quality near service) quality<br>\$4service)                                | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:35 |
| S158 | 26     | ((low and high) near (qos<br>(quality near service) quality<br>\$4service)) with (bandwidth<br>overhead) | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:36 |
| S159 | 13     | S158 and @ad<"20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>15:36 |
| S160 | 1      | "20040208120"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/08<br>16:36 |
| S161 | 490    | (high and low) near2 (qos<br>(quality\$4service) (quality adj<br>service))                               | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:24 |
| S162 | 641189 | (version (image near6<br>resolution))  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:34 |
| S163 | 169    | S162 and S161  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:34 |
| S164 | 101    | S163 and @ad<"20031023"  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:36 |
| S165 | 24241  | (version (image video)) near6<br>(bandwidth overheard)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:37 |
| S166 | 13     | S165 and S164  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:38 |
| S167 | 1      | S161 and "20040208120"   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:49 |
| S168 | 0      | S167 and S165  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/11<br>14:50 |

|      |       |   |                 |    |    |                  |
|------|-------|---|-----------------|----|----|------------------|
| S169 | 0     | S167 and (image multimedia display) near6 (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/11 14:51 |
| S170 | 0     | S167 and (image multimedia display) and (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/11 14:51 |
| S171 | 0     | S167 and video and (bandwidth overhead)   | US-PGPUB; USPAT | OR | ON | 2009/01/11 14:51 |
| S172 | 1     | S167 and (bandwidth overhead)   | US-PGPUB; USPAT | OR | ON | 2009/01/11 14:51 |
| S173 | 10203 | version near data   | US-PGPUB; USPAT | OR | ON | 2009/01/12 14:41 |
| S174 | 21    | S173 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                     | US-PGPUB; USPAT | OR | ON | 2009/01/12 14:42 |
| S175 | 20    | S174 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/12 14:43 |
| S176 | 924   | differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:08 |
| S177 | 17    | S176 and (high and low) near (qos (quality adj service) (level adj service))  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:09 |
| S178 | 17    | S176 and (high and low) near (qos (quality adj service) (level adj service) quality\$3service)  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:10 |
| S179 | 7     | S178 and @ad<"20031023"   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:11 |
| S180 | 12    | S178 and (overhead bandwidth)   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:13 |
| S181 | 12    | S180 and (qos (quality adj service) (level adj service) quality\$3service)  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:14 |
| S182 | 1     | preferential near access near12 data near version   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:29 |
| S183 | 332   | preferential near access  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:30 |
| S184 | 4382  | S183 (bandwidth overhead) and data near version   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:30 |
| S185 | 4     | S183 and (bandwidth overhead) and data near version   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:30 |
| S186 | 2     | (load\$5 near balanc\$5 and ((quality adj service) or qos)).ti. and (qos (quality adj service) quality\$3service (level adj service)) | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:43 |
| S189 | 1     | S186 and load\$5 near balanc\$5 and load\$5 and (bandwidth overhead) and data   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:45 |
| S196 | 1     | S189 and (high\$5 and low\$5)   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:53 |

|      |      |  |                 |    |    |                  |
|------|------|--|-----------------|----|----|------------------|
| S197 | 1263 | (load\$5 near balanc\$5 same ((quality adj service) or qos)) and (qos (quality adj service) quality\$3service (level adj service)) | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:56 |
| S198 | 539  | S197 and (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:57 |
| S199 | 41   | 709/203.ccls. and S198   | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:57 |
| S200 | 36   | S199 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/12 15:57 |
| S201 | 1012 | S197 and (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:02 |
| S202 | 54   | 709/203.ccls. and S201   | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:02 |
| S203 | 45   | S202 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:02 |
| S204 | 4564 | high adj3 (qos (quality\$service) (quality adj service) (level adj service))   | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:08 |
| S205 | 78   | S204 near 13 (high\$6 more) near (bandwidth overhead)  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:09 |
| S206 | 33   | S205 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:09 |
| S207 | 1    | 709/203.ccls. and S206   | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:10 |
| S208 | 690  | quality near version   | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:42 |
| S209 | 21   | S174 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:42 |
| S210 | 1    | S208 and differentiat\$5 near2 (qos (quality adj service) quality \$3service (level adj service))                                  | US-PGPUB; USPAT | OR | ON | 2009/01/12 16:43 |
| S211 | 1    | "20050091344"  | US-PGPUB; USPAT | OR | ON | 2009/01/12 17:31 |
| S212 | 2    | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service)) near classe   | US-PGPUB; USPAT | OR | ON | 2009/01/12 18:35 |
| S213 | 2    | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service)) near class  | US-PGPUB; USPAT | OR | ON | 2009/01/12 18:35 |
| S214 | 18   | assign\$5 near3 client near3 (qos (quality\$4service) (quality adj service))   | US-PGPUB; USPAT | OR | ON | 2009/01/12 18:35 |
| S215 | 2    | S214 and (qos (quality \$4service) (quality adj service)) near class   | US-PGPUB; USPAT | OR | ON | 2009/01/12 18:35 |
| S216 | 0    | S215 and @ad<"20031023"  | US-PGPUB; USPAT | OR | ON | 2009/01/12 18:36 |

|      |        |   |                    |    |    |                     |
|------|--------|---|--------------------|----|----|---------------------|
| S217 | 10     | S214 and @ad<"20031023"   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:36 |
| S218 | 0      | "quality of" near2 (data image<br>version)                                      | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:38 |
| S219 | 197442 | quality near2 (data image<br>version)   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:38 |
| S220 | 3      | S217 and S219   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:39 |
| S221 | 0      | provid\$5 near3 (version<br>(resolution near3 image))                           | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:44 |
| S222 | 7944   | provid\$5 near3 (version<br>(resolution near3 image))                           | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:44 |
| S223 | 3226   | assign\$5 near12 (qos (quality<br>\$4service) (quality adj service))            | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:45 |
| S224 | 14     | S222 and S223   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:45 |
| S225 | 1621   | (high\$5 and low\$5) near3 (qos<br>quality\$5service (quality adj<br>service))  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:47 |
| S226 | 2      | S225 and S224   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:47 |
| S227 | 3      | S224 and @ad<"20031023"   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:49 |
| S228 | 845    | ((version near data) (resolution<br>near3 image)) near6 (overhead<br>bandwidth) | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:53 |
| S229 | 1      | S223 and S228   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:55 |
| S230 | 3853   | preferenc\$6 near3 access\$5  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:56 |
| S231 | 1      | S228 and S230   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:56 |
| S232 | 0      | preferencial near access near<br>data   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:57 |
| S233 | 5      | preferential near access near<br>data   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:57 |
| S234 | 332    | preferential near access  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:58 |
| S235 | 50     | S234 with data  | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:58 |
| S236 | 30     | S235 and (qos (quality<br>\$4service) (quality adj service))                    | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:58 |
| S237 | 1      | S226 and @ad<"20031023"   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:58 |
| S238 | 26     | S236 and @ad<"20031023"   | US-PGPUB;<br>USPAT | OR | ON | 2009/01/12<br>18:59 |

1/13/09 5:27:23 PM

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